

SAN FRANCISCO PUBLIC UTILITIES
COMMISSION

ONEWATER PAVILION VISITOR CENTER
CIVIC DESIGN REVIEW PHASE I | JUNE 2017



PROJECT INFORMATION

Located in Bayview Hunters Point, the Southeast Treatment Plant (SEP) is nestled in the midst of a mixed industrial, commercial and residential area; with some neighbors only a street's width away from the treatment plant.

The SEP is San Francisco's largest and oldest wastewater facility, responsible for treating nearly 80% of the City's flow. Wastewater is transported to the SEP through a grid of transport/storage facilities, sewers, and five major pump stations. The SEP treats 57 million gallons per day (MGD) of wastewater and handles 160 wet tons of biosolids each day. During a rainstorm, it has the capacity to treat up to 250MGD of wastewater.

The Need for Improvement:

Built in 1952, many parts of the SEP facilities represent 1940's technology and are operating well beyond their useful lives. Through the Sewer System Improvement Program (SSIP), the SEP will undergo operational improvements and seismic upgrades in order to ensure the reliability of the sewer system and to protect the health of our community and environment.

These proposed SSIP improvements incorporated public input from the Southeast Digesters Task Force, an advisory group of neighborhood and business interests who provided recommendations on reducing community impacts.

Planned Improvements:

- New Biosolids Digester Facilities
- New Headworks Facility
- Structural and seismic retrofits
- Upgrades to oxygen and influent pumps
- Odor control improvements
- Architectural and landscape improvements to the perimeter
- Project Benefits

Improved process performance:

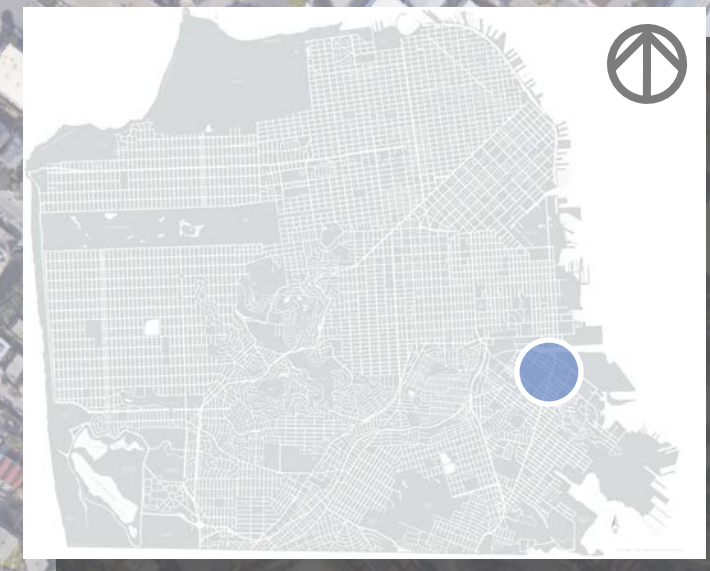
- Odor control
- Seismic improvements
- Improved operating reliability and efficiency
- Minimized neighborhood impacts
- Improved visual aspects of the plant
- Upgrades to the existing digesters and new digesters facilities.

PROJECT INFORMATION

ONEWATER VISITOR PAVILION
Evans Avenue & Phelps Street
San Francisco, CA 94124

The Proposed Visitor Pavilion is intended connect the community of Bayview to the ongoing transformations of the SEP Campus, as well to provide a platform for Non-formal environmental education and art in the community. the Center will host meetings, workshops, lectures, exhibitions and classes, highlighting the technology and operations behind the SEP campus. The Center will also serve as a Project Information Center for the SEP Campus Improvement Project. Displaying information about the ongoing transitions from a Waste Treatment Plan to a Resource Recovery Campus, including the new biosolids digester facilities, the improvements to the existing infrastructure and operations (oxygen and fluent pumps) and odor control.

Total Footprint: 1800 sq ft
No. of Levels 1



SEP CAMPUS - VISITOR PAVILION SITE LOCATION



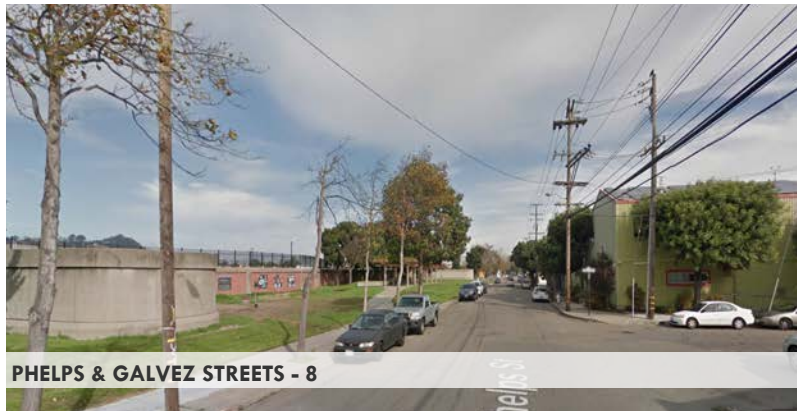
PHELPS STREET - 7



THIRD STREET - 6



PHELPS STREET - 5



PHELPS & GALVEZ STREETS - 8



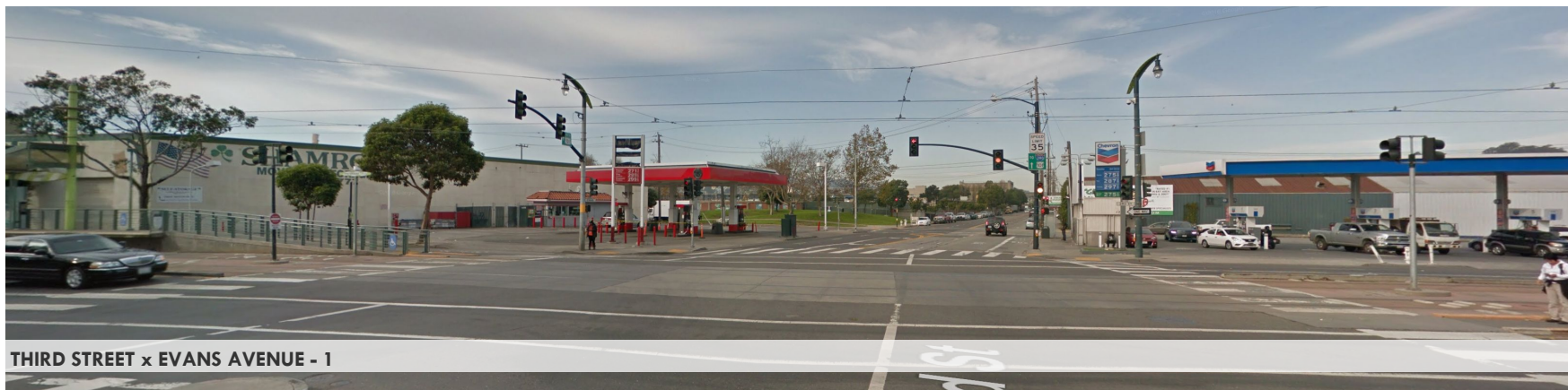
PHELPS STREET - 4



EVANS AVENUE - 9



PHELPS & FAIRFAX STREETS - 3



THIRD STREET x EVANS AVENUE - 1



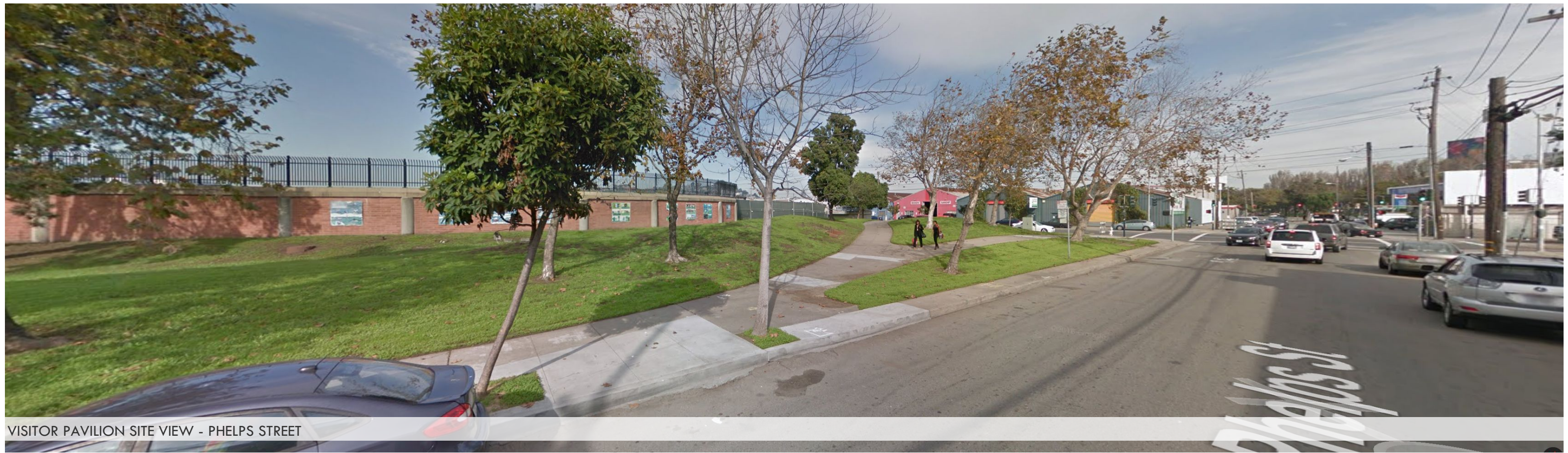
THIRD STREET x EVANS AVENUE - 2



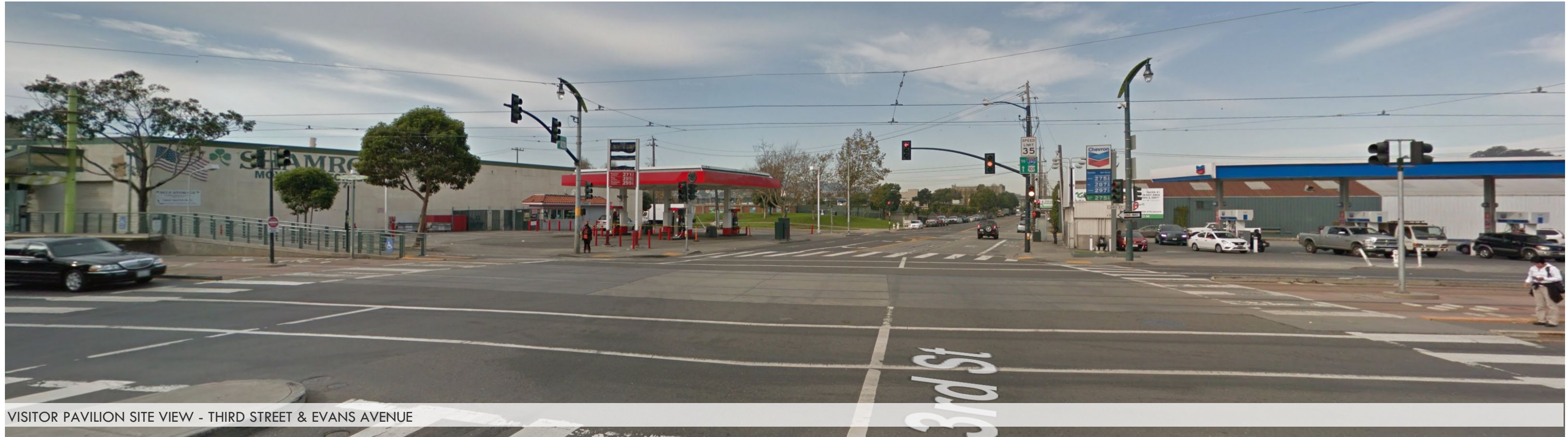
VISITOR PAVILION SITE VIEW - PHELPS AND EVANS



VISITOR PAVILION SITE VIEW - EVANS AVENUE



VISITOR PAVILION SITE VIEW - PHELPS STREET



VISITOR PAVILION SITE VIEW - THIRD STREET & EVANS AVENUE



PRECEDENTS - VISITOR CENTERS



LANDS END LOOKOUT - VISITOR CENTER



WSU VISITOR CENTER



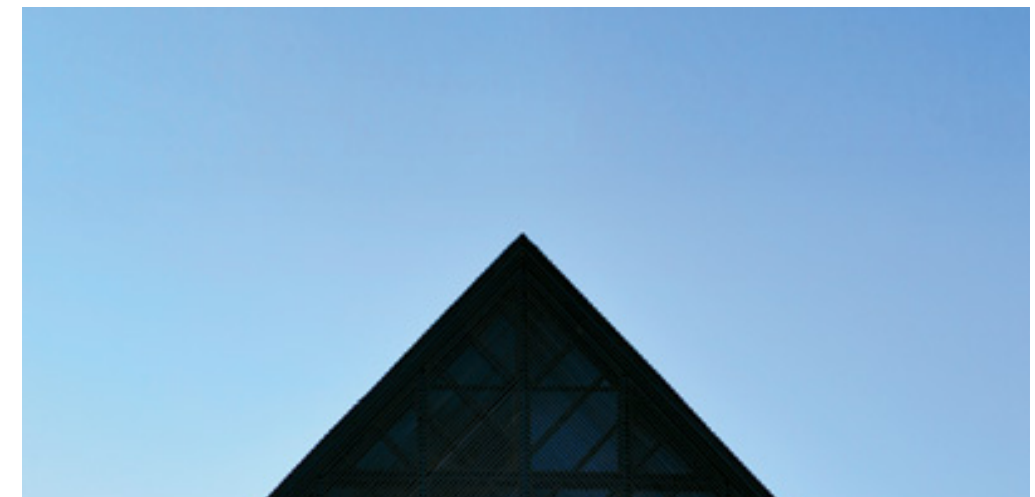
GIANT'S CAUSERWAY VISITOR CENTRE



HUNTER'S SHIPYARD WELCOME CENTER



BRISTOL VISITOR CENTER



WILD TURKEY BOURBON VISITOR CENTER



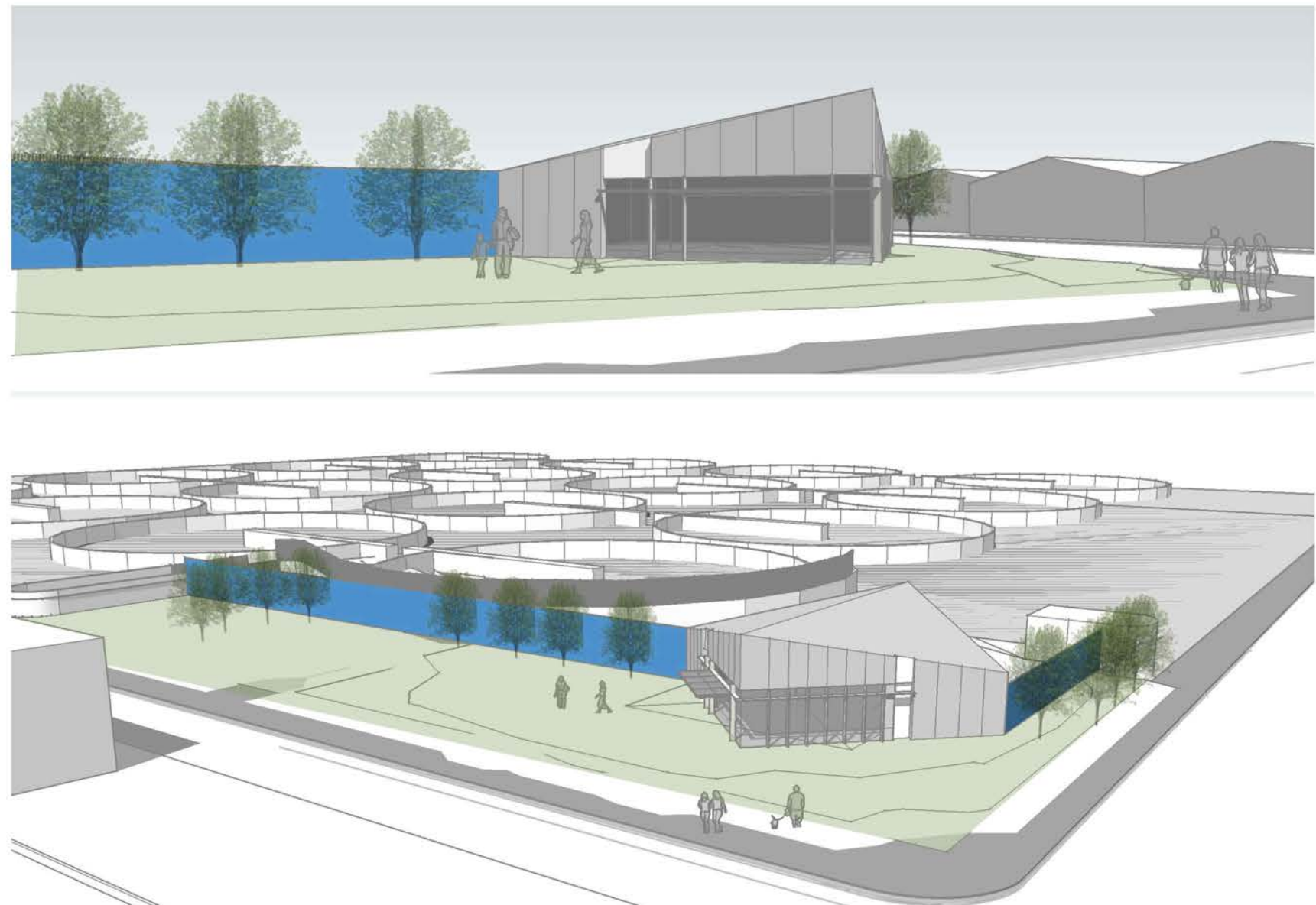
GOLDEN GATE BRIDGE PAVILLION



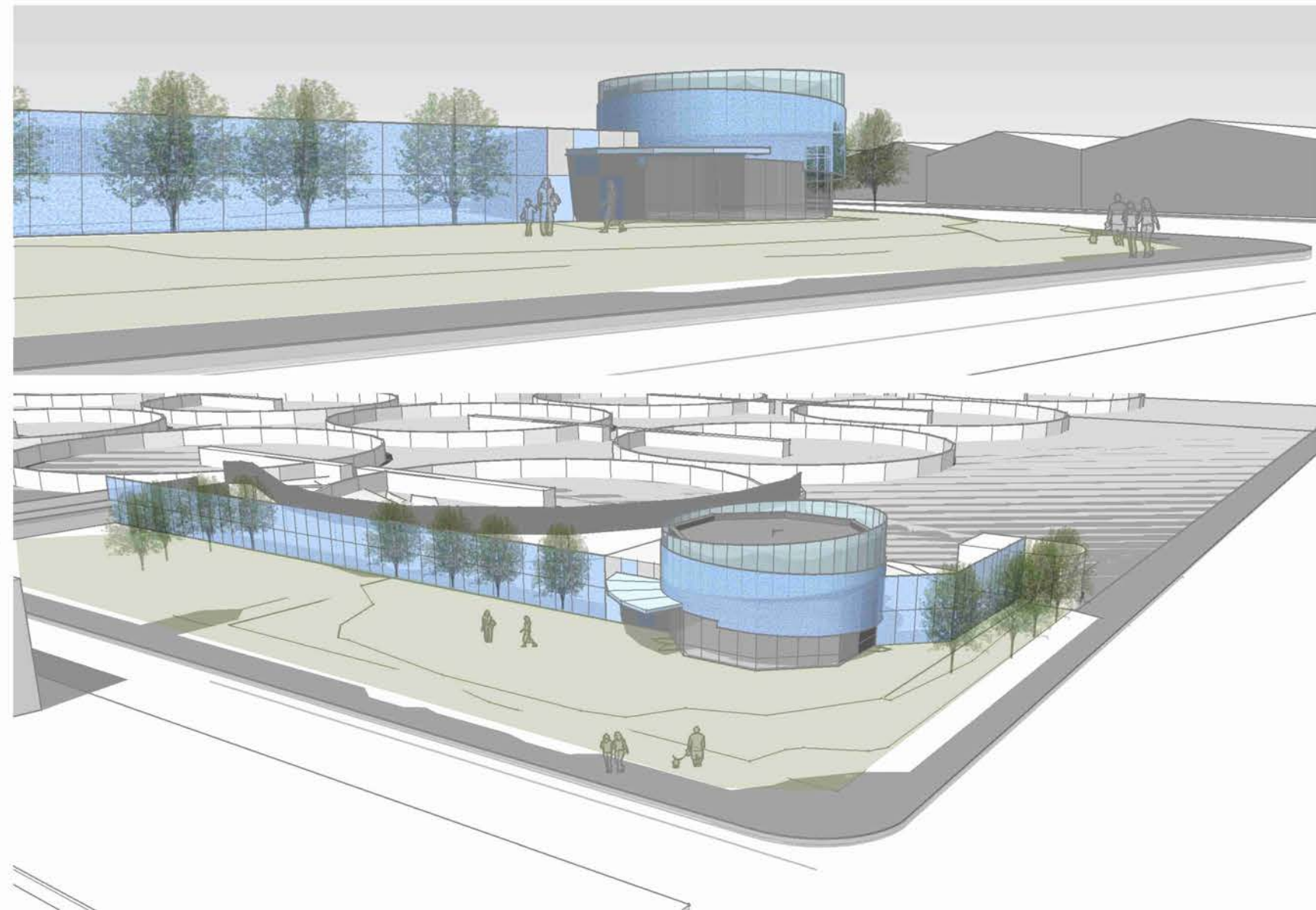
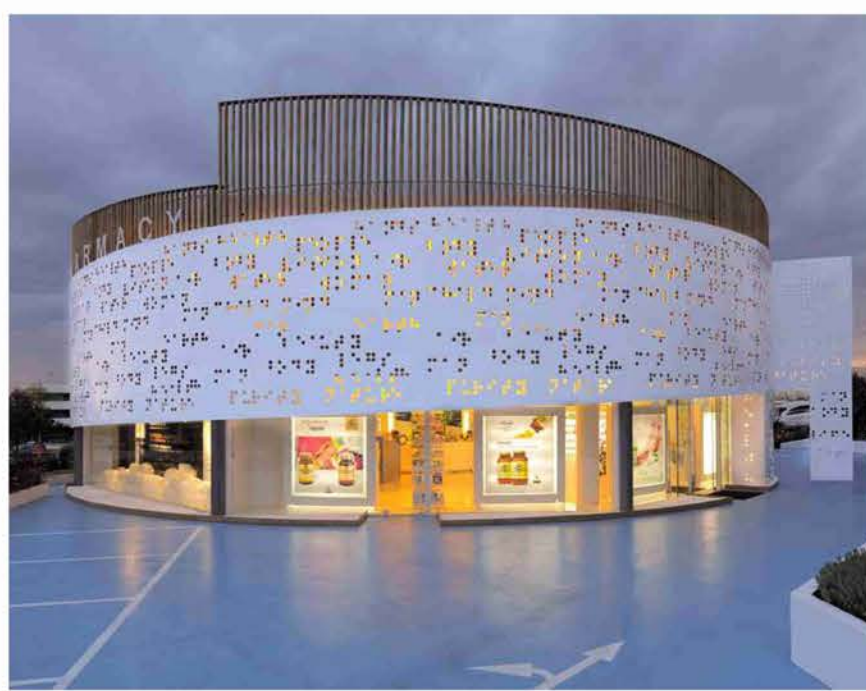
SNAEFELLSSTOFA VISITOR CENTER



WILD TURKEY BOURBON VISITOR CENTER







The **Visitor Pavilion** consist in of a simple program diagram divided into two major areas; the **event space** (exhibition area) and the **ancillary space** (offices, storage, restrooms, kitchenette and the building utilities closets).

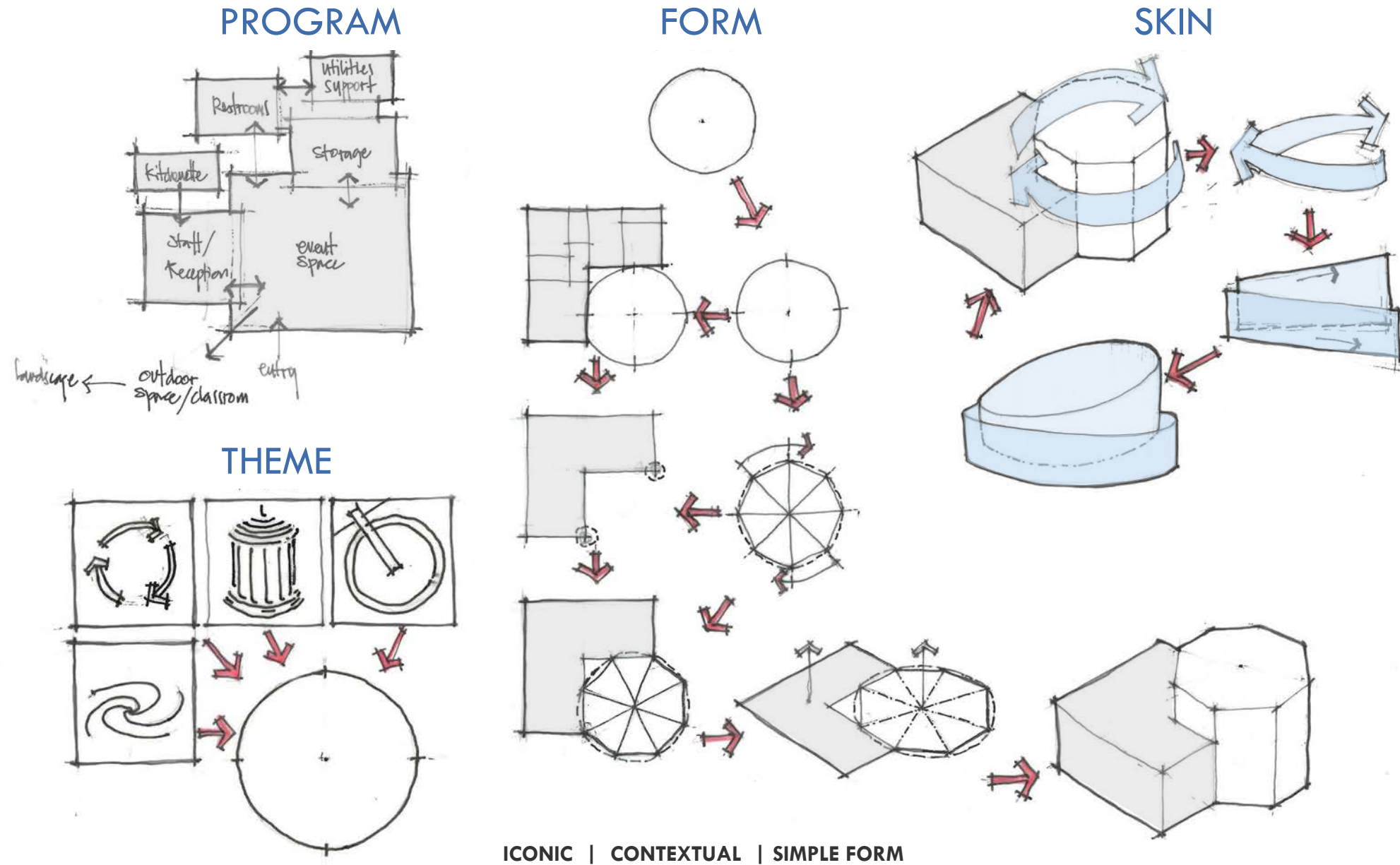
The circle "move" highlights the importance of movement, flow, cycle and recycle, a direct reference to the function of the **sep campus**, recycling waste water into clean water.

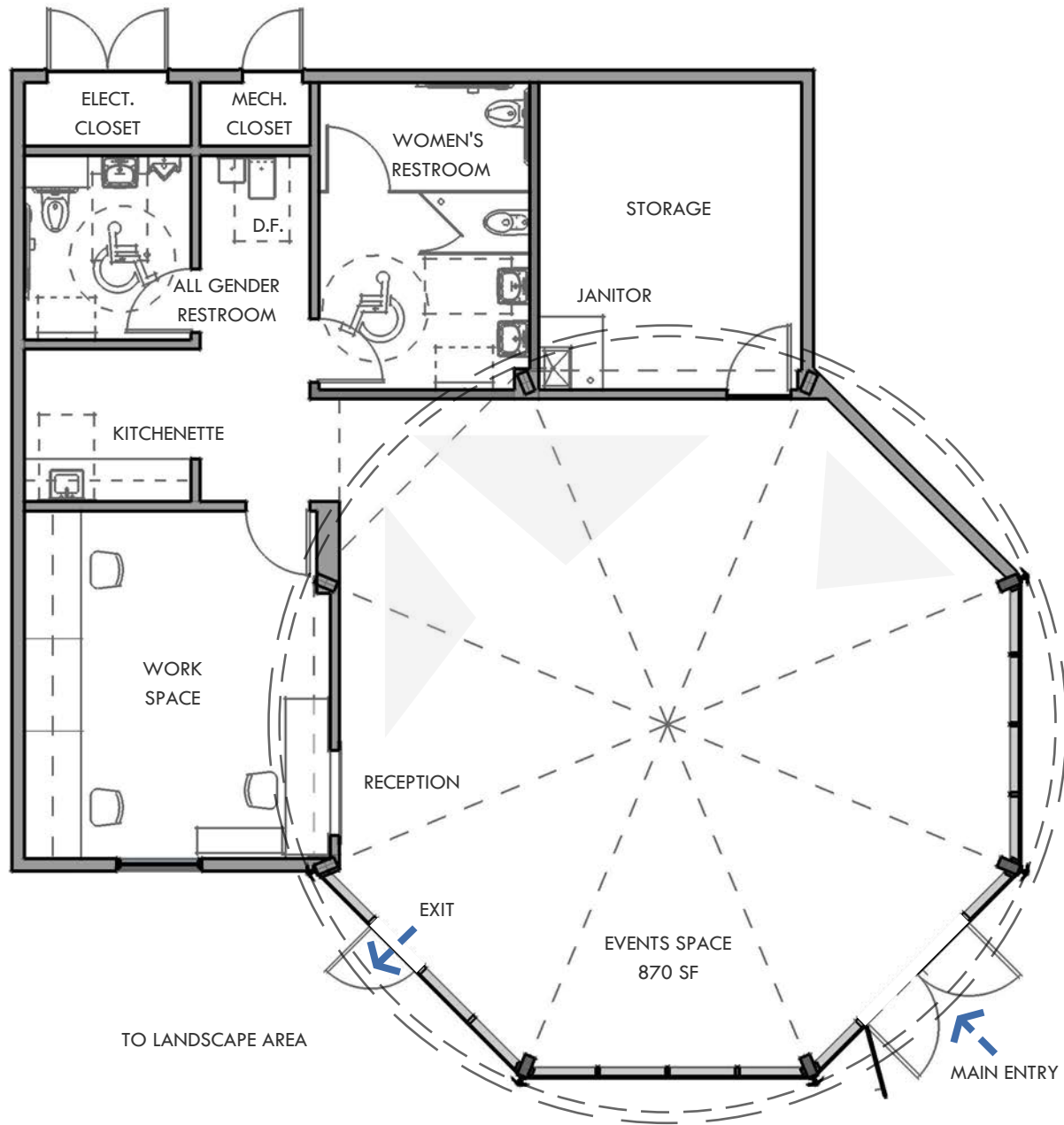
The circle theme is also contextual, it was important to express the existing infrastructure repeated in the adjacent site by the large clarifier's pools, storage tanks and also the iconic water temples.

The event space becomes the iconic form, a volume that is taller, and the focal point engaging the community from different street views. A simple round shape switched into an octagon simplifies the structural solution.

The ancillary space functions as a background to the iconic space, connecting the plan through the faces of the octagon structure.

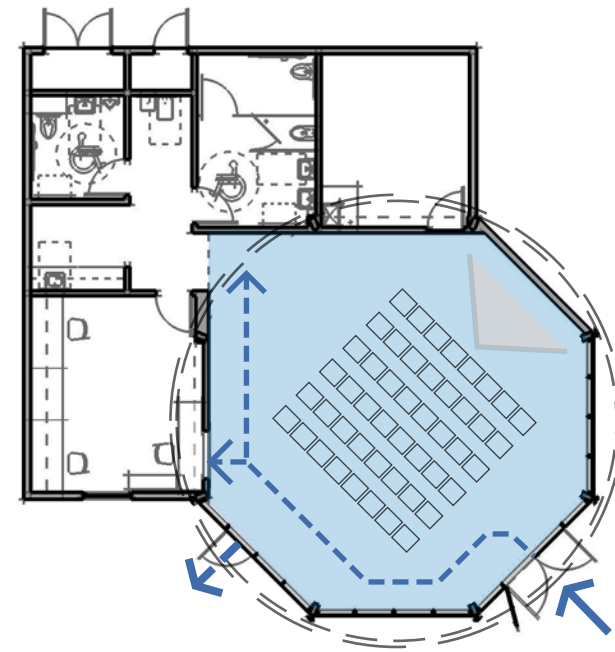
A series of skin solutions (perforated metal screens) continues with the theme of movement and form of the circle by **shrouding** the event space in the elevations, articulating the flow of water and also the recycling process. The materiality conveys transparency, cleanness and flow, expressing the main purpose of the campus: clean water.



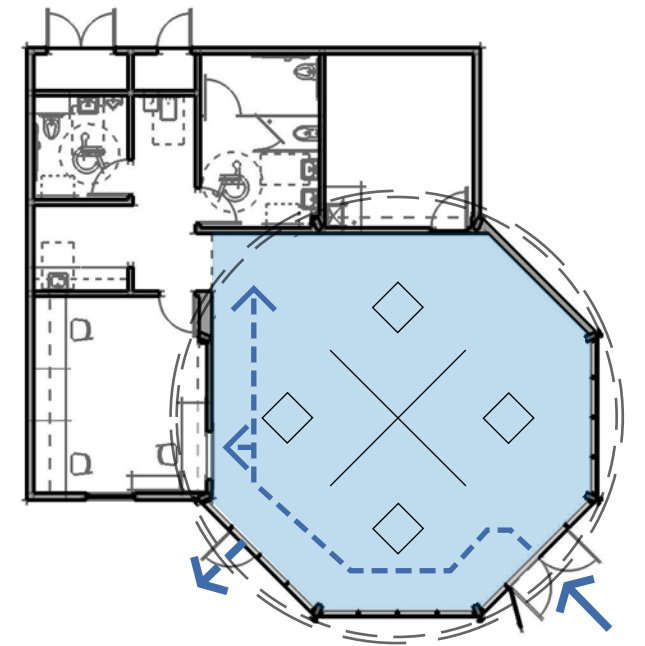


"THE CIRCLE" - FLOOR PLAN

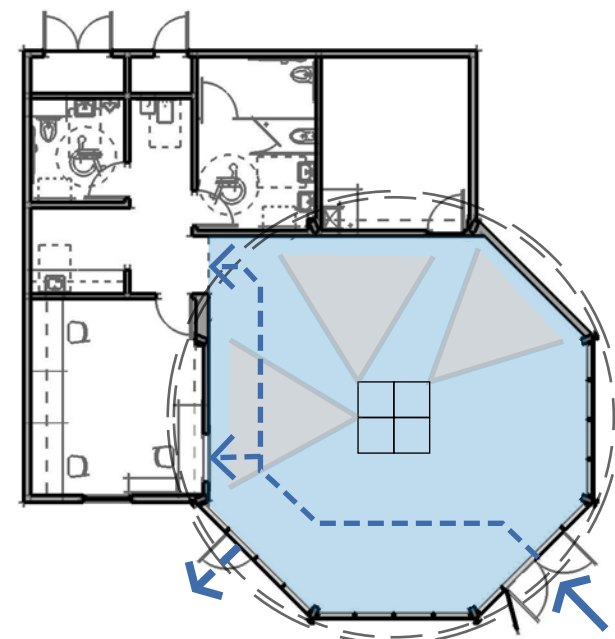
Scale: 1'=1/8"



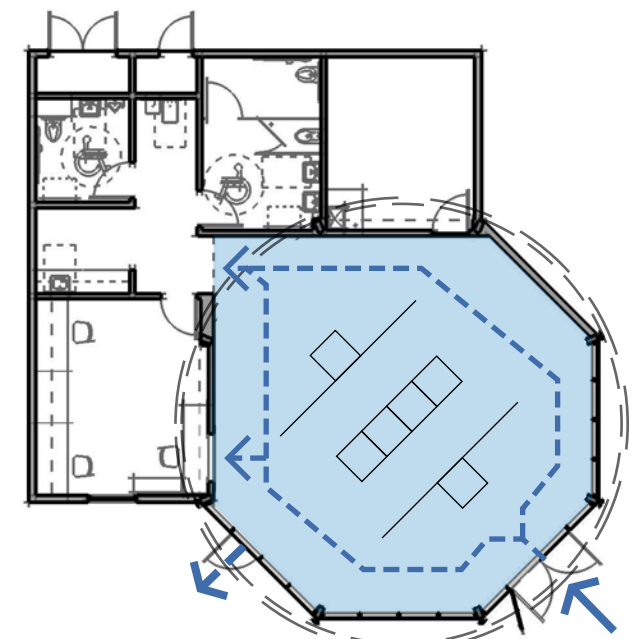
LECTURE



EXHIBITION



DISPLAY



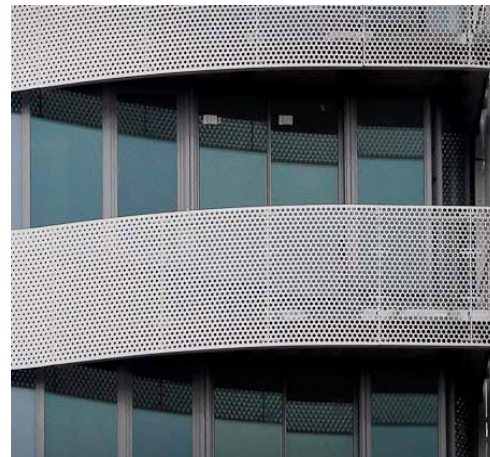
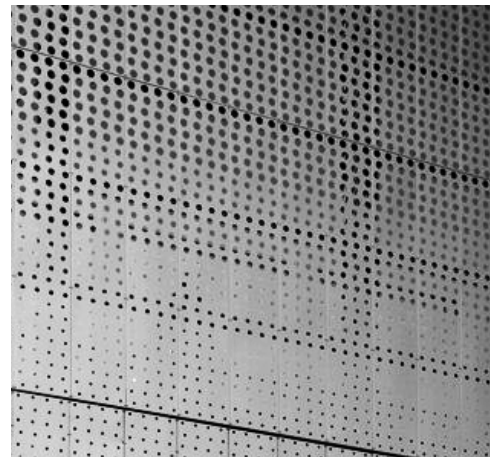
WORKSHOP

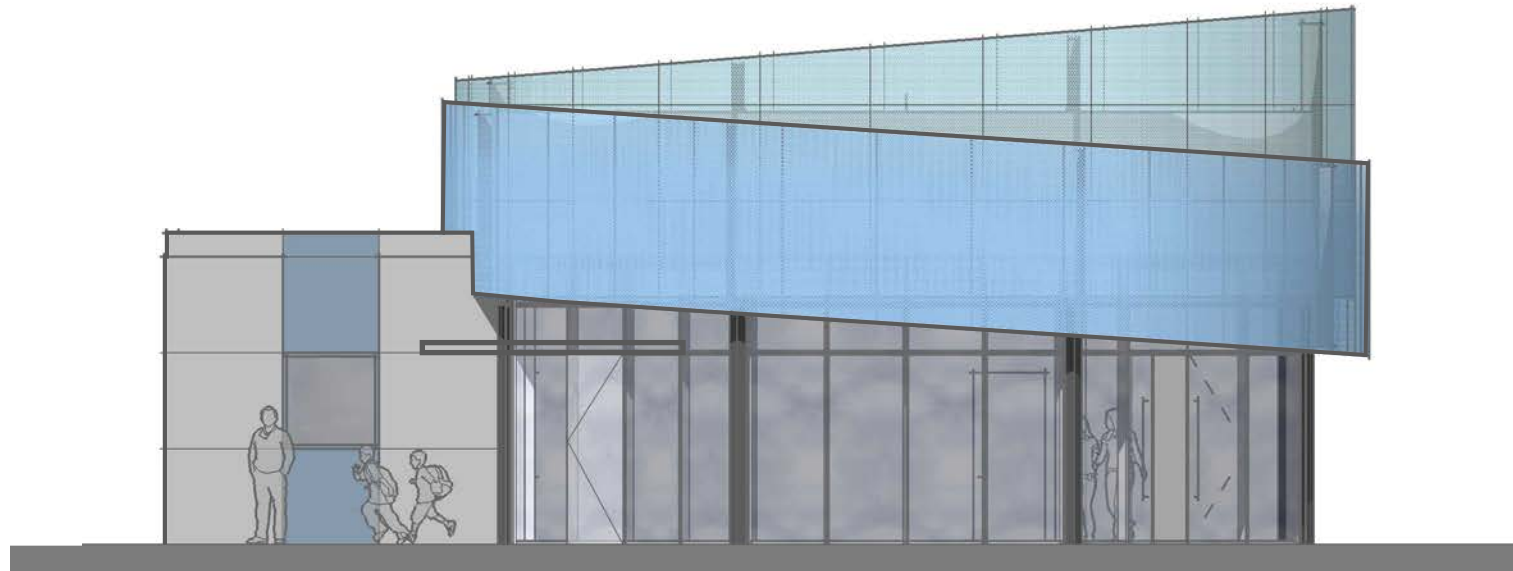
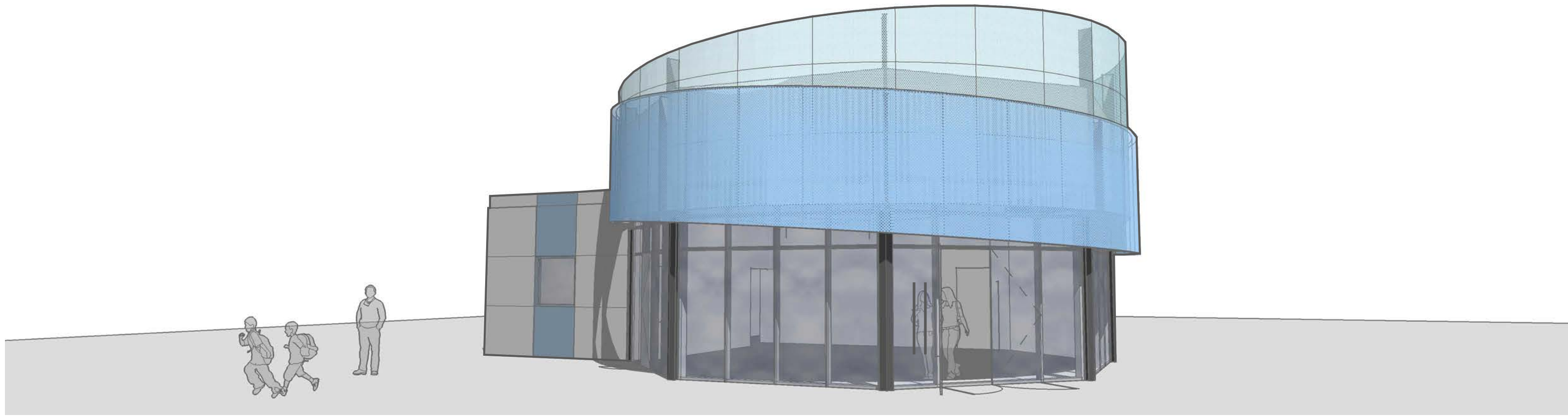
FLEXIBLE FLOOR PLAN CONFIGURATIONS



PLACEBO PHARMACY / KLAB - ATHENS GREECE

PRECEDENTS - MASSING & MATERIALS





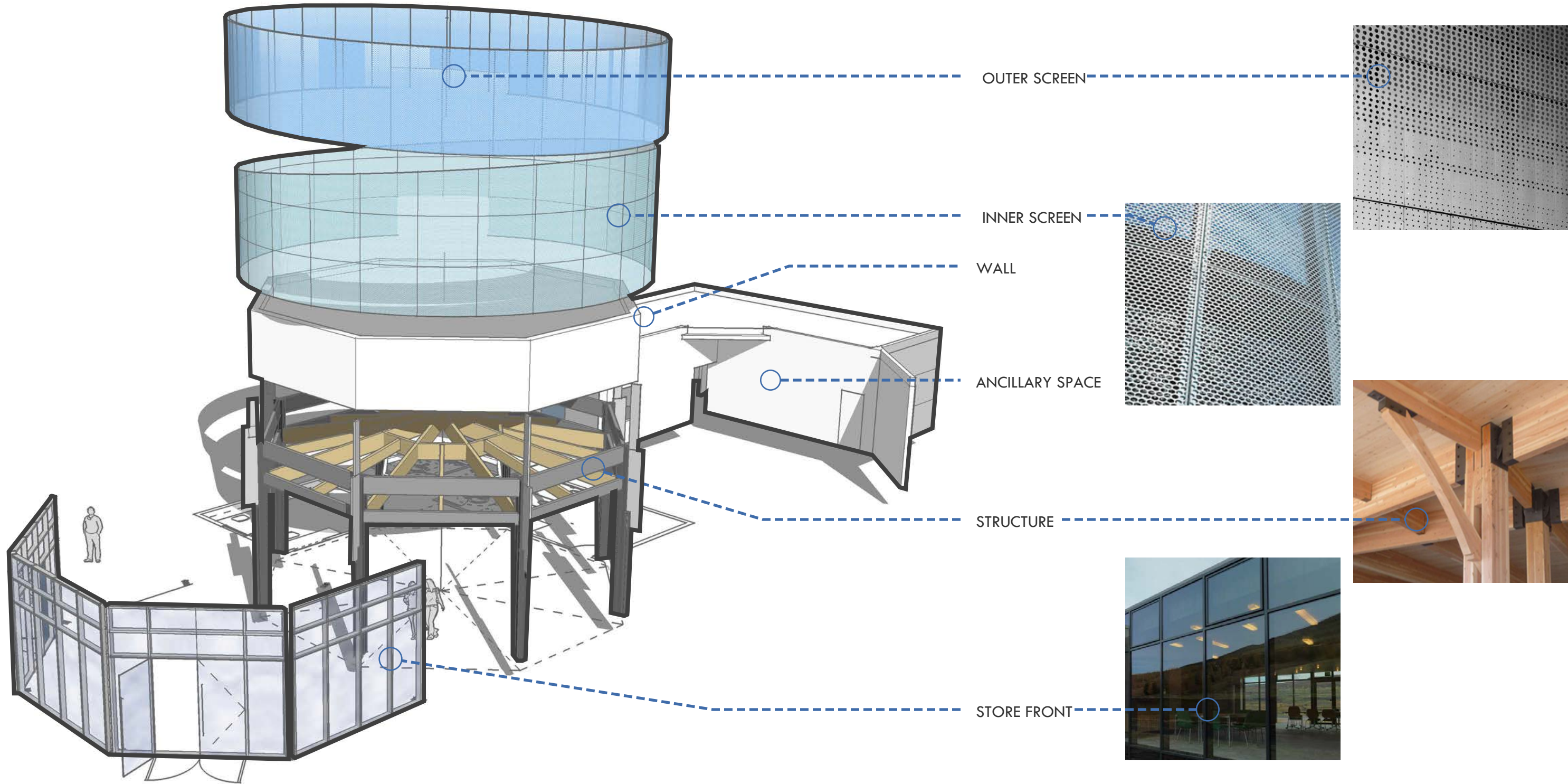
PHELPS STREET ELEVATION

Scale: 1"=1/8"

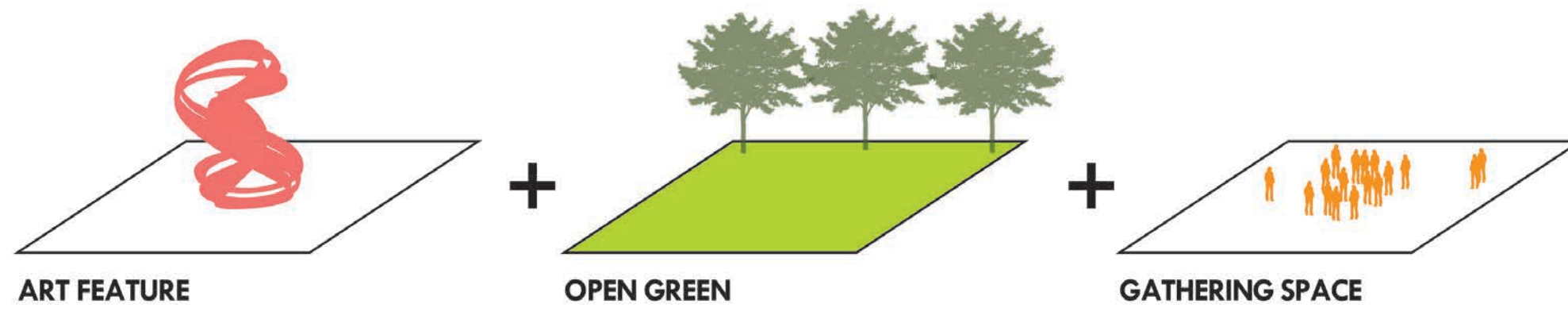
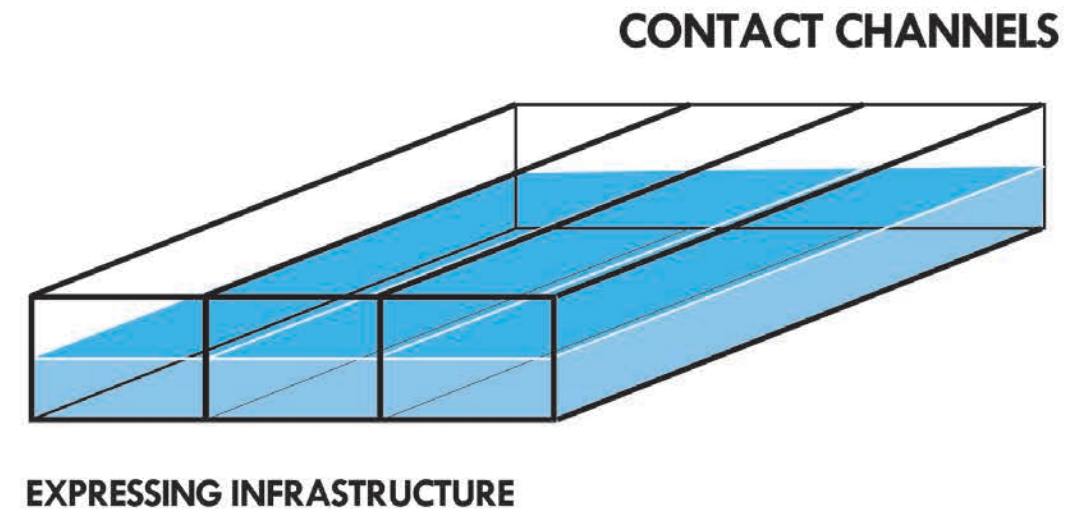


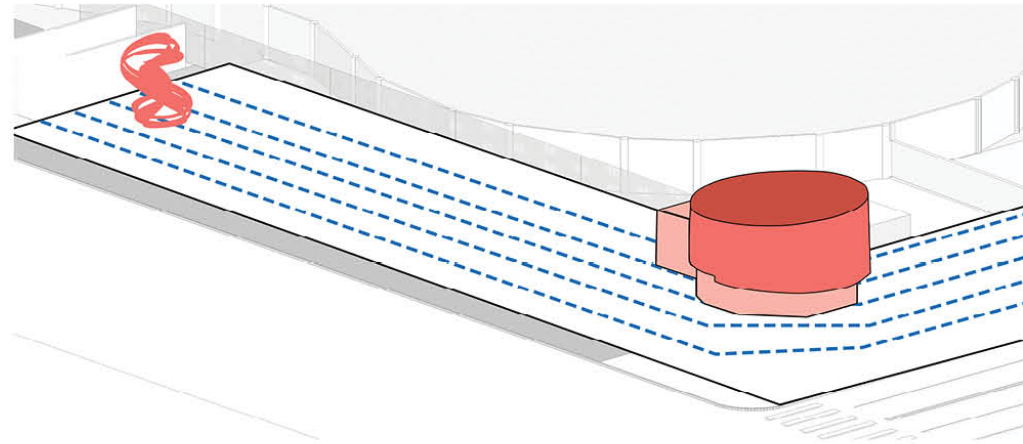
EVANS AVENUE ELEVATION

Scale: 1"=1/8"



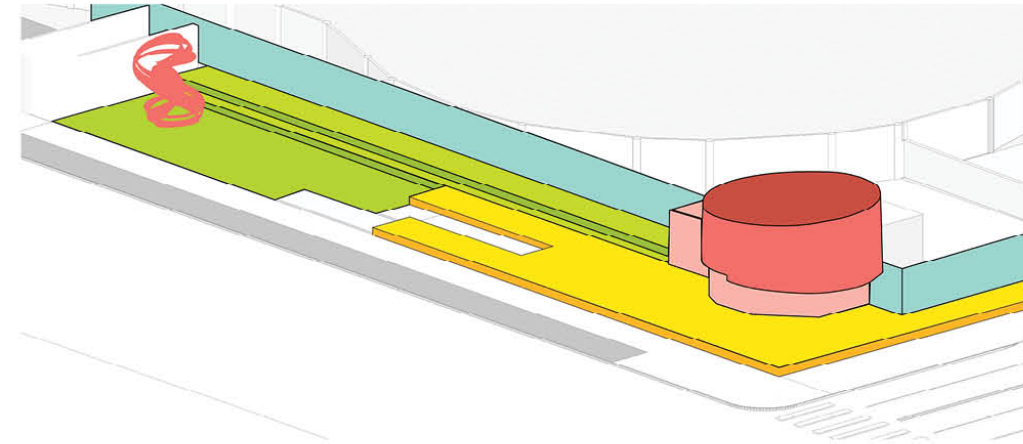






ANCHORS + CONNECTIONS

The Visitors Pavilion and art sculpture serve as important anchoring elements which establish a stronger, more welcoming presence on the corner of Phelps and Evans St. This site is further unified by expressing the infrastructure of the subgrade chlorine contact channels onto the surface plaza and landscape spaces.



SITE LAYOUT

A spatial design begins to emerge from the site after we factor in a courtyard gathering space, an open green lawn, and perimeter security fencing. The site is given further prominence by elevating both the architecture and corner plaza space to rise above the surrounding context.



SCULPTURE LAWN



VEGETATED TERRACING



ETCHED PAVING



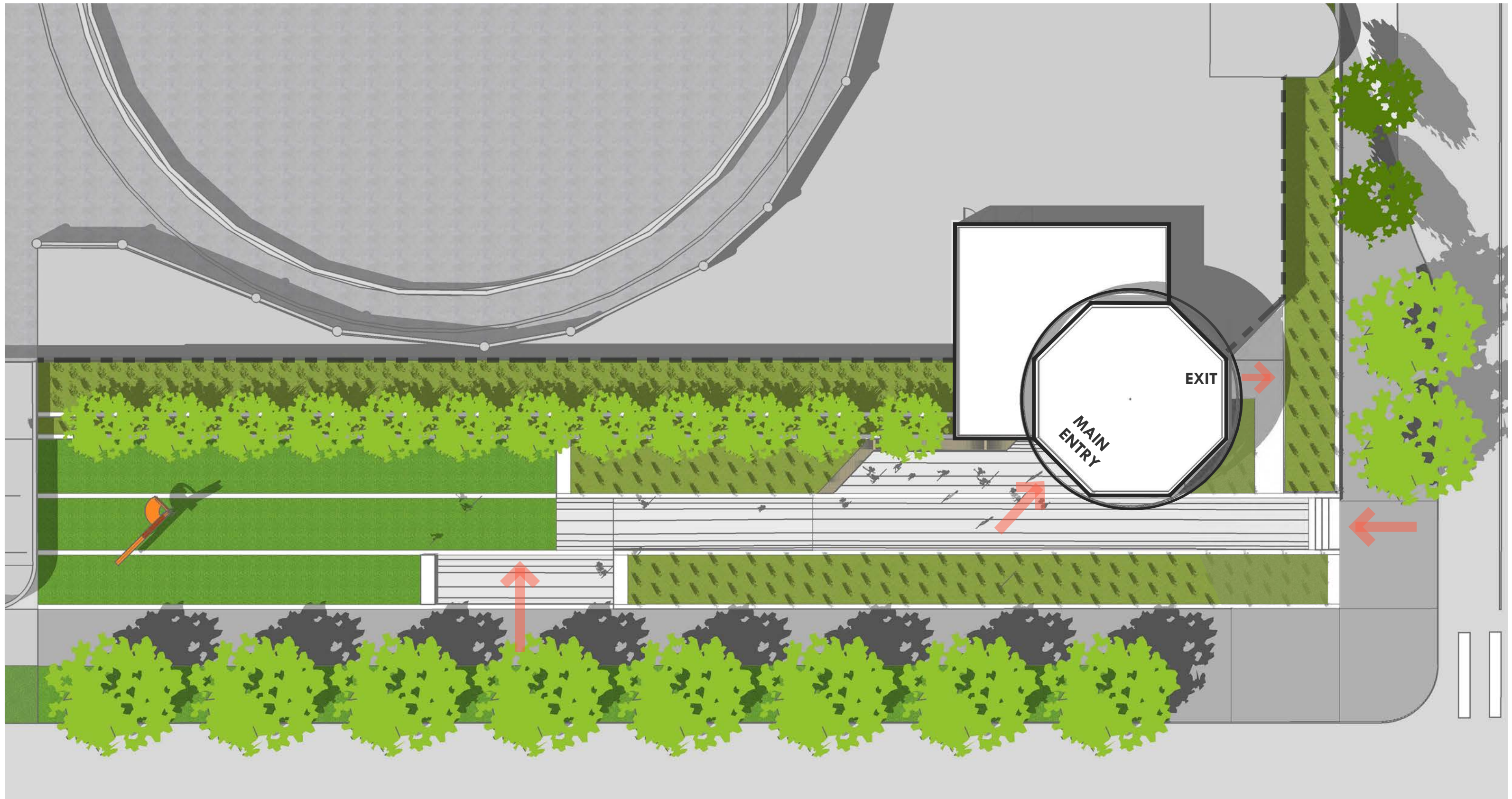
INTERACTIVE ART



RECREATION PROGRAMMING



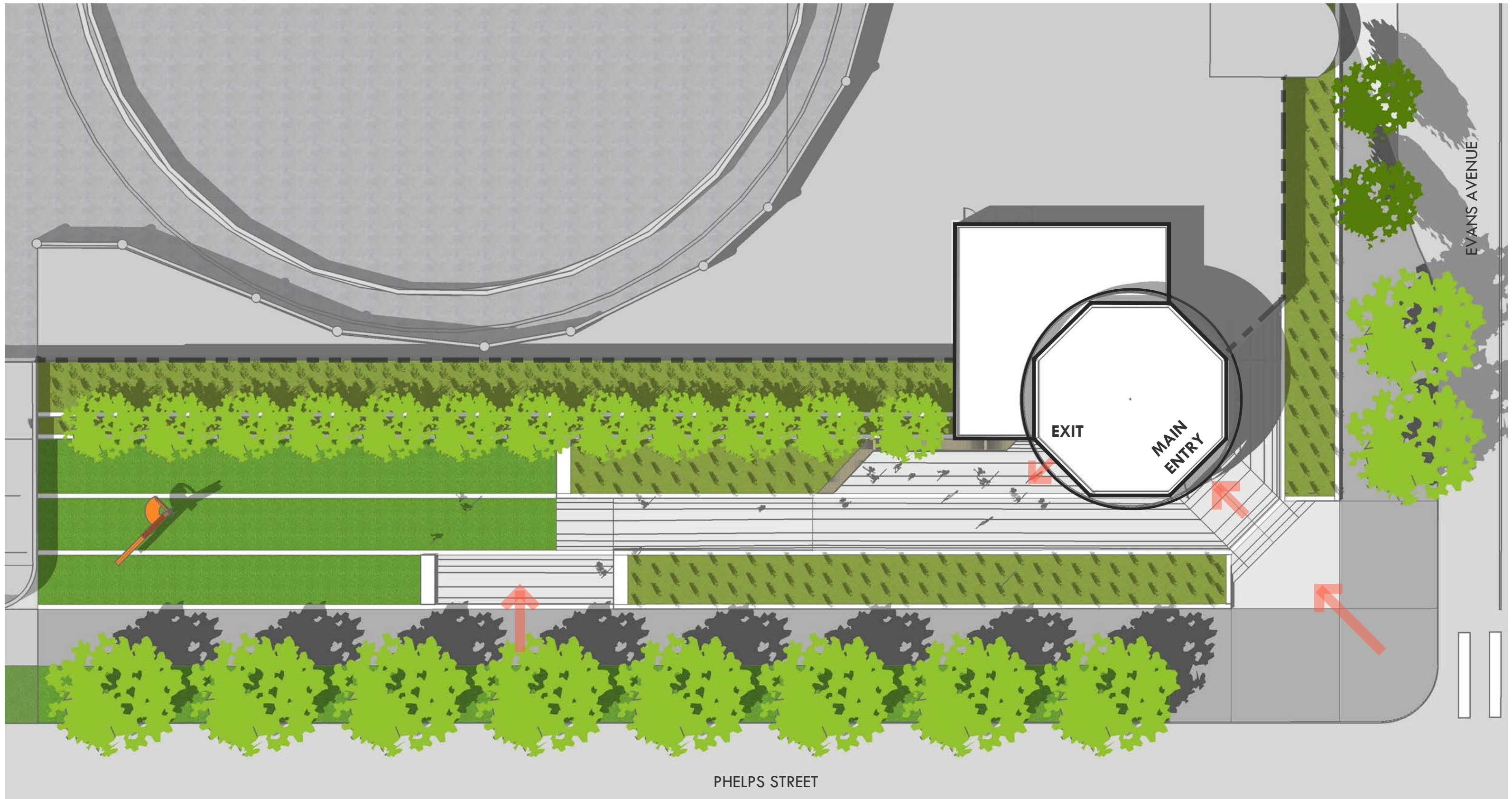
ETCHED PAVING



LANDSCAPE SITE - PHELPS STREET ENTRY

Scale: 1"=1/16"





LANDSCAPE SITE - CORNER ENTRY

Scale: 1"=1/16"



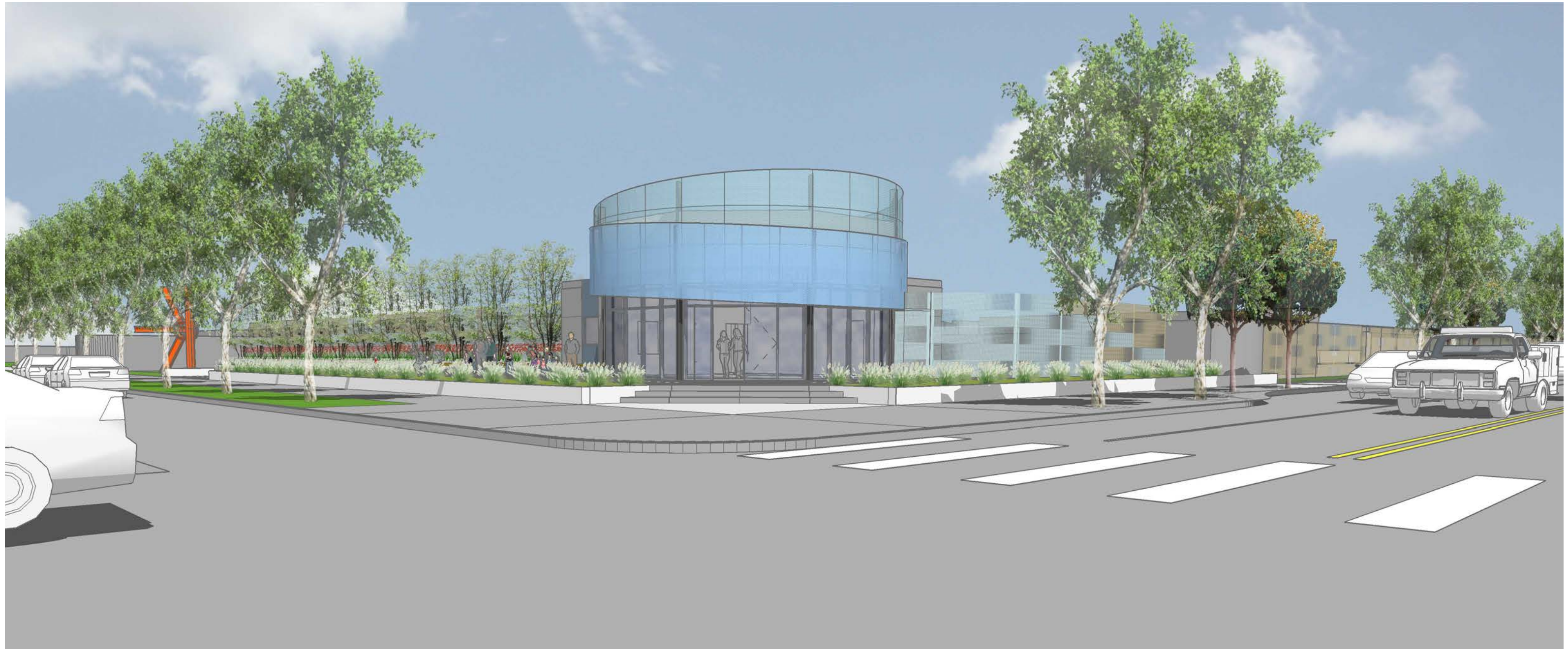


OPTION: PHELPS STREET ENTRY



OPTION: CORNER ENTRY





FEATURE FENCE (27%)

HEADWORKS ART SCREEN (3%)

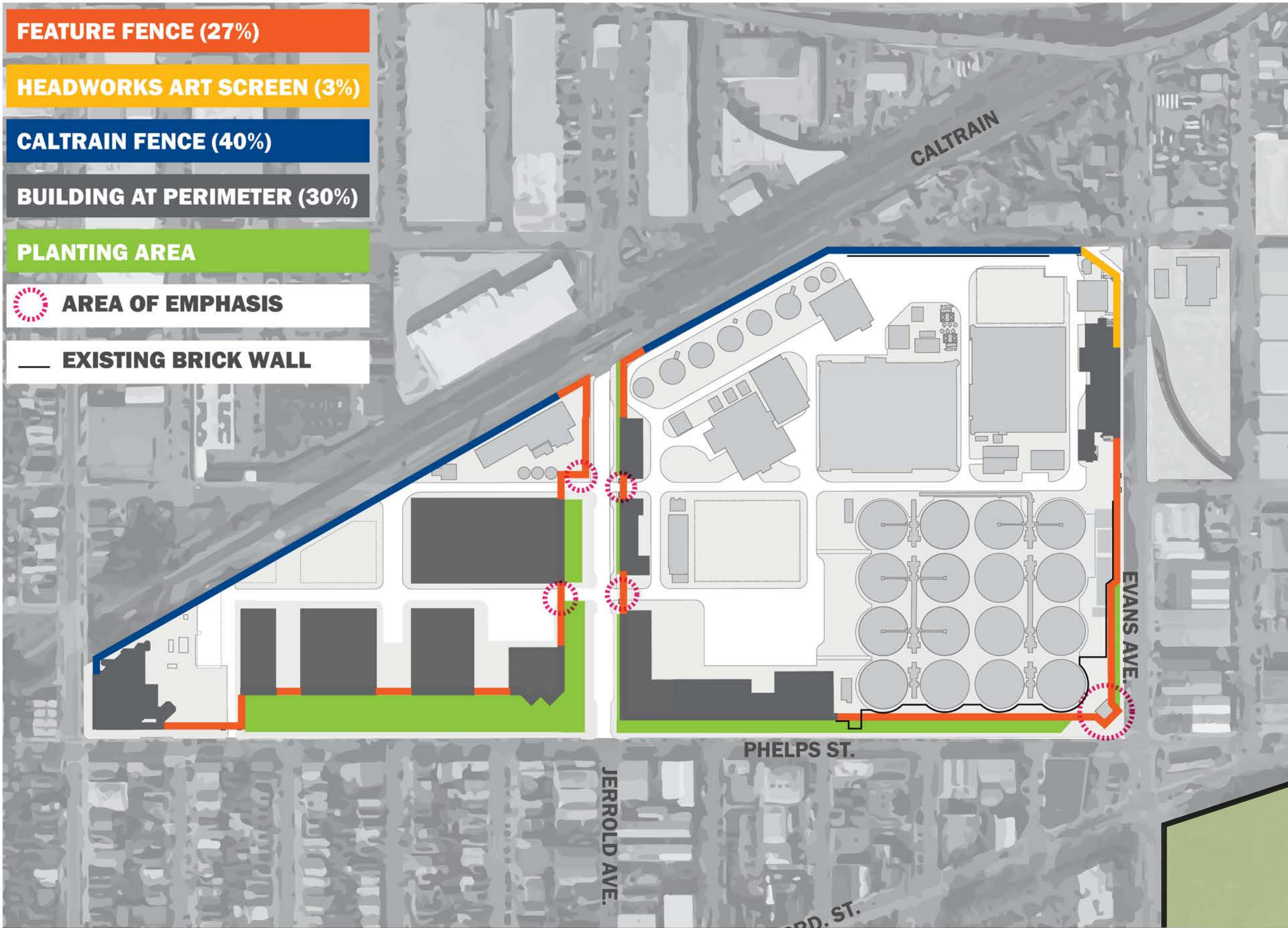
CALTRAIN FENCE (40%)

BUILDING AT PERIMETER (30%)

PLANTING AREA

 **AREA OF EMPHASIS**

 **EXISTING BRICK WALL**



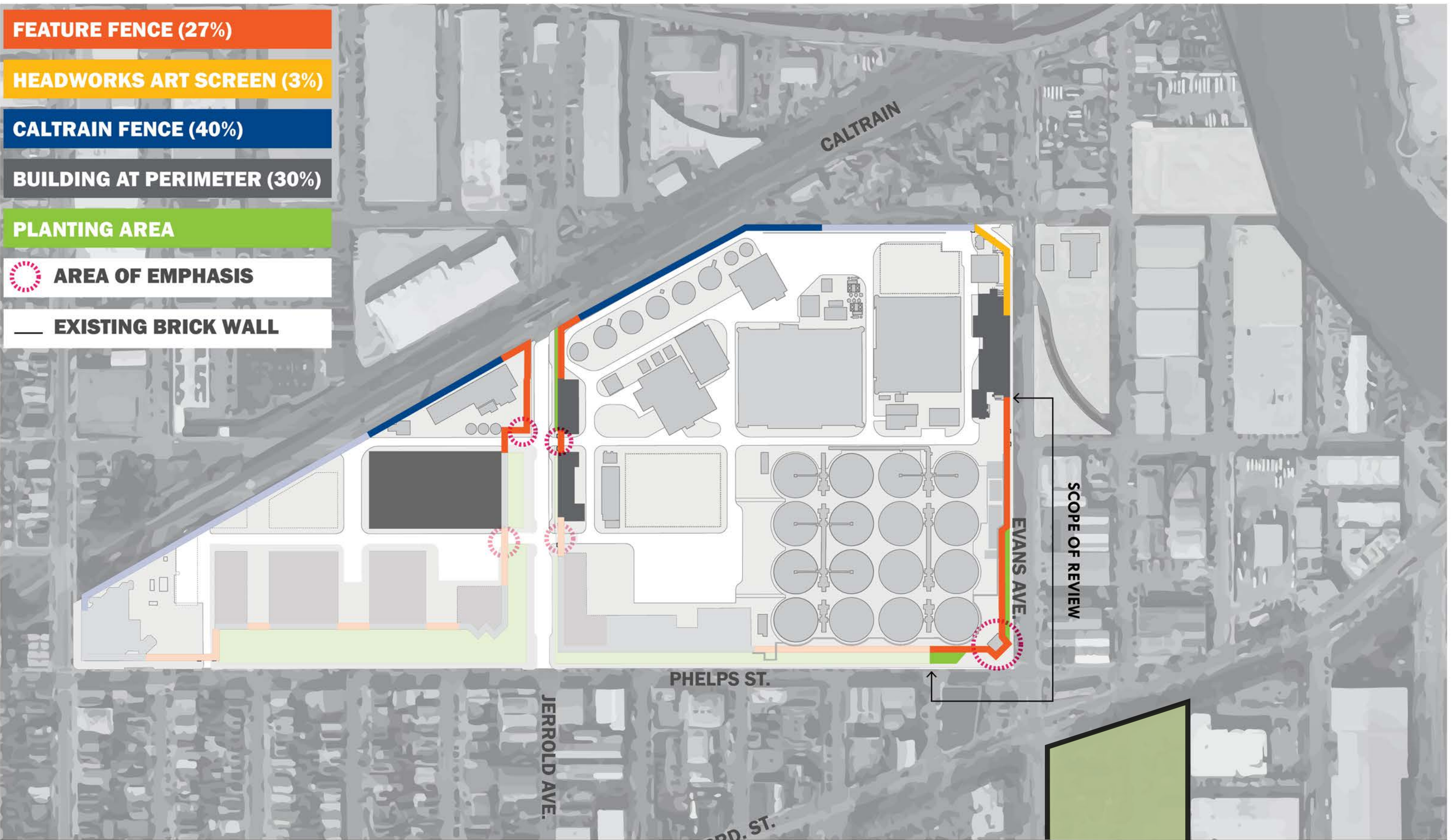
EXISTING CONDITIONS



CAMPUS FENCING STRATEGY



SFPUC | SEP
Building Design & Construction

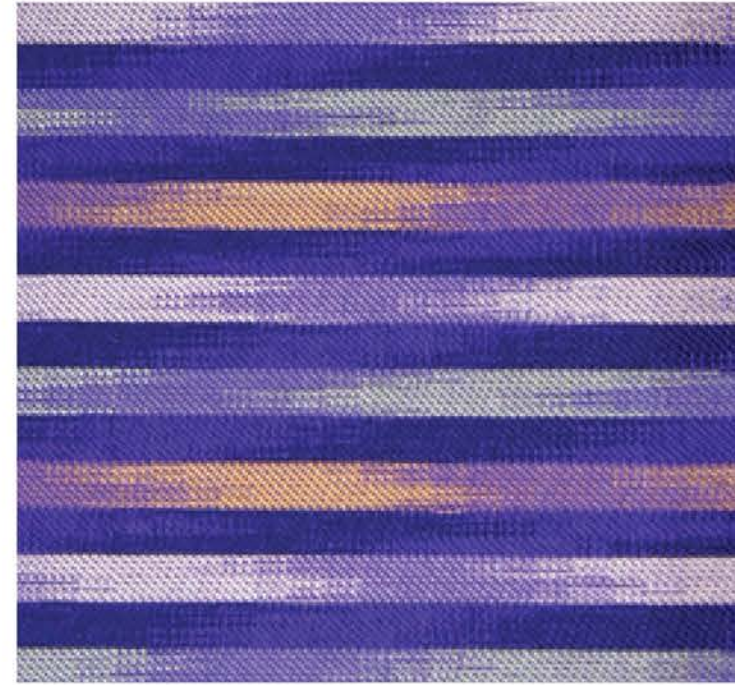


PHASE 1

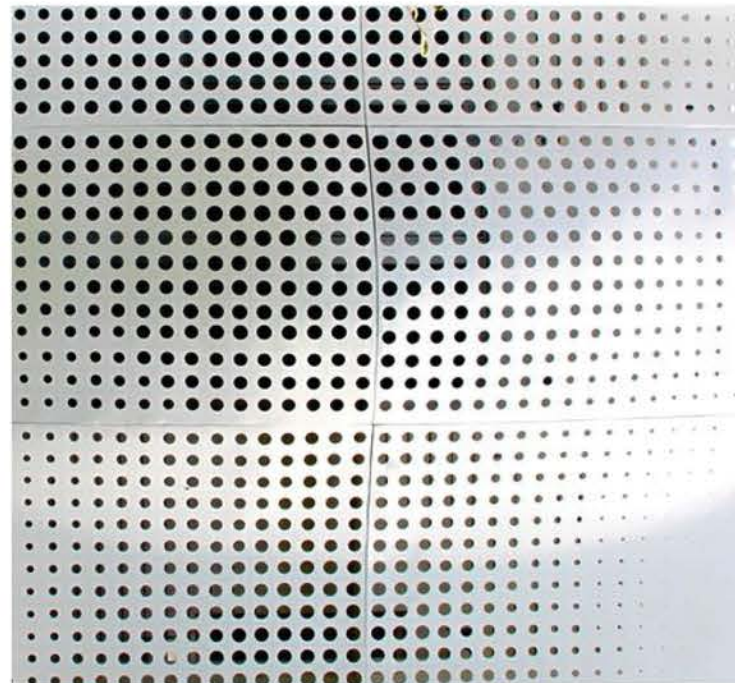
WHY METAL PANELS?

- Consistent with proposed site materials
- Allows flexibility in surface treatment for pattern and color
- Unit can be repeated and arranged to create dynamic patterning
- Durable (anti-graffiti coatings available)
- Can be mounted to existing walls or stand-alone

INSPIRATION



APPLICATION

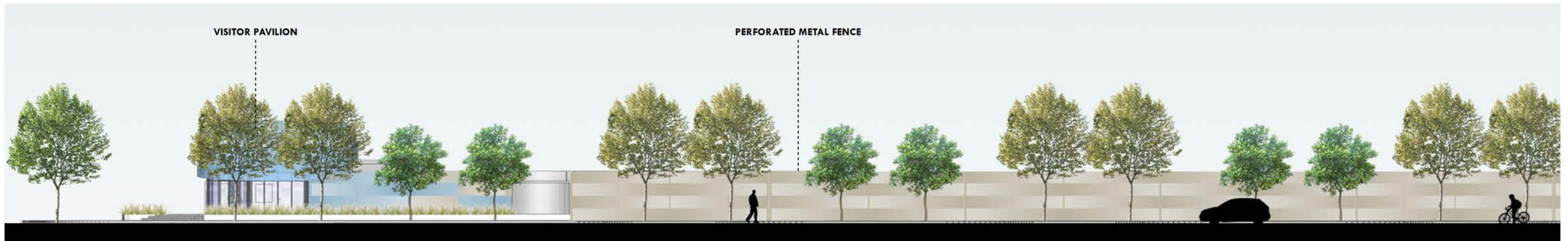




EVANS AVENUE



FENCING STUDY



ENLARGEMENT AREA 1

EVANS AVENUE

SFPUC | SEP
PERIMETER REVIEW | June 8, 2017

THANK YOU!

